

ABSTRACT

The present invention is an image processing technology for eliminating a second line-shaped image object, which overlaps with a first image object in one image comprising effective or ineffective pixels, from the first image object. The technology includes the respective steps of a line segment extraction step for extracting a line segment from the second line-shaped image object, an elimination step for eliminating the second line-shaped image object from the first image object, a pixel extraction step for scanning a vicinity region of the line segment on the first image object and sequentially extracting pixels to be scanned, an effective pixel determination step for determining whether or not the extracted pixels to be scanned are effective pixels, and a pixel interpolation step for dropping a perpendicular from the pixels to be scanned that are determined to be the effective pixels at the effective pixel determination step toward a nearest line segment and setting all the pixels on the perpendicular as the effective pixels.